

SOLID HIGH POLYMER-TYPE FUEL CELL

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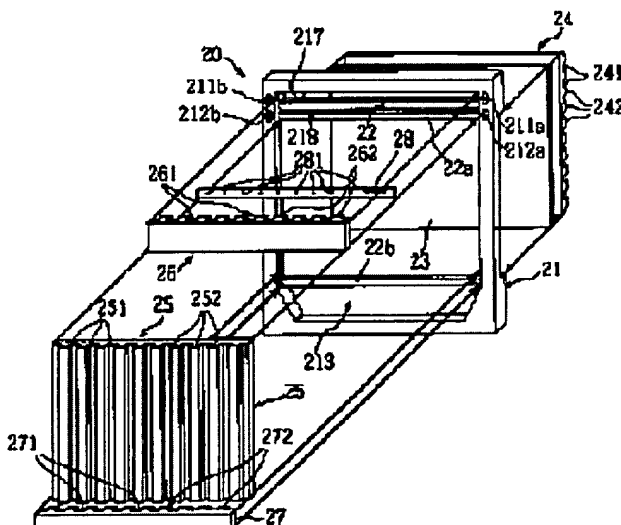


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Abstract of JP11097041

PROBLEM TO BE SOLVED: To reliably secure a passage for gas near the water repellent range, to maintain battery performance with time, and enable the stable operation by forming the water repellent range and the hydrophilic range on the channel terminal on the wall surface of an anode side channel.

SOLUTION: A slit base plate on which slits are provided at the specified distances is arranged in relation to a carbon base plate on which channels 251 are formed, water repellent coating formed by dispersing water repellent resin such as fluorocarbon resin in solvent is sprayed from above, and repellent coating is stuck on the side wall surfaces of the side wall surface of ribs 252 or the bottom surfaces of the channels 251. By this processing, two ranges of the water repellent range (a film of water repellent coating) whose water repellency is improved and the hydrophilic range in which hydrophilicity is relatively improved and a basis of the carbon base plate is exposed are formed on the wall surfaces of the channels 251 into a band shape.



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